

345 **Claims: I claim:**

1. Apparatus for separating and removing volatile contaminants from a liquid,
comprising:
a distillation/evaporation chamber comprising at least one sidewall; and
an attachment means for directly mounting the distillation/evaporation
350 chamber to a liquid source.
2. Apparatus as set forth in claim 1, further comprising:
an inlet to the distillation/evaporation chamber to allow flow of liquid into
the distillation/evaporation chamber from a liquid source outside the
355 distillation/evaporation chamber, said liquid outside the
distillation/evaporation chamber having a pressure.
3. Apparatus as set forth in claim 2, further comprising;
an outlet from the distillation/evaporation chamber for flow of liquid to
360 outside the distillation/evaporation chamber.
4. Apparatus as set forth in claim 3, further comprising;
a vent in the distillation/evaporation chamber to vent airborne
contaminates therefrom.

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5. Apparatus as set forth in claim 4, further comprising;

a plurality of liquid communication channels located adjacent to the distillation/evaporation chamber for the transmission of liquid.

370 6. Apparatus as set forth in claim 5, further comprising;

a filter adjacent to the distillation/evaporation chamber to remove particulate contaminants from the liquid.

7. Apparatus for separating and removing volatile contaminants from a liquid, comprising:

375 a housing encompassing a chamber;
an inlet to the chamber to allow flow of liquid into the chamber from a
liquid source outside the chamber, said liquid outside the chamber having
a pressure;
an outlet from the chamber for flow of liquid to outside the
380 chamber;
a vent in the chamber to vent airborne contaminants therefrom; and
an attachment means for directly mounting the housing to a liquid source.

8. Apparatus as set forth in claim 7, further comprising;

385 a filter mounted to the housing to remove particulate contaminants from
liquid flowing into the chamber.

9. Apparatus as set forth in claim 8, further comprising;

390 a plurality of liquid communication conduits extending through the
housing for the transmission of liquid to and from the filter.

10. A device for separating and removing volatile contaminants from a liquid, which device incorporates a liquid distillation/evaporation system and mounts in the place of a standard liquid filter.

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